

Figure 2a

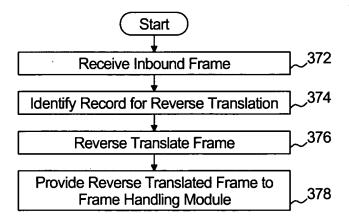


Figure 2b

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UDP Translation Table <u>40a</u>						
Index	Local Socket Information 342		Global Socket Information 344		Time	
Record	Source IP	Source	Gateway IP	Do-# 250	Out	
<u>340</u>	Address 346	Port <u>348</u>	Address 354	Port <u>356</u>	<u>362</u>	
1	<u>114</u>	<u>136</u>	<u>156</u>	<u>166</u>		
2	<u>114</u>	<u>112</u>	<u>156</u>	<u>158</u>		
3	<u>114</u>	<u>126</u>	<u>156</u>	<u>164</u>		
4						
5						

Figure 3

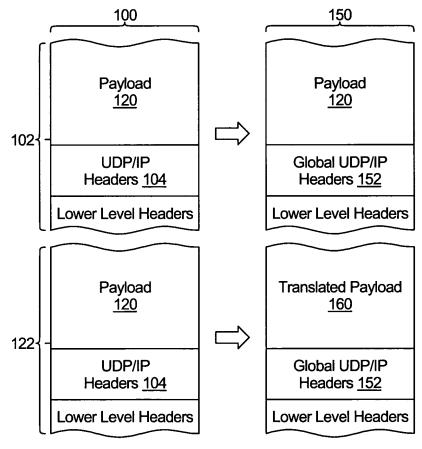


Figure 4

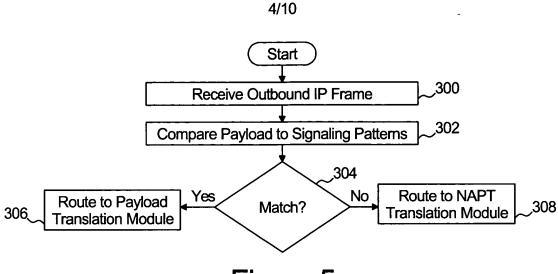


Figure 5

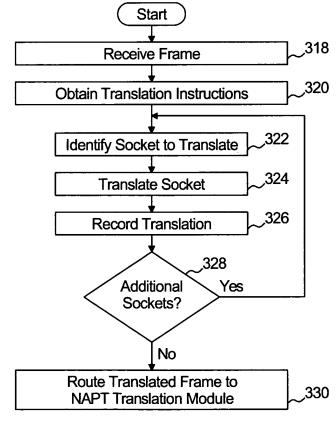


Figure 7

Payload Tran	Payload Translation Database 34	34	
Protocol 310	Message <u>312</u>	Signaling Frame Patterns 314	Instructions 315
	Invite	ASCII Invite Headers	Translate Signaling Contact Socket <u>124,</u> VIA Socket <u>133,</u> Media Session Socket <u>127</u>
SIP	OK Response	OK Response   ASCII OK Response Headers	Translate SDP Socket
	Register	ASCII Register Headers	Translate Signaling Contact Socket 124
	Other SIP	ASCII Applicable Headers	Translate
	Message 1	Pattern Message 1	
MGCH	Message 2	Pattern Message 2	
	Message 3	Pattern Message 3	
	Message 1		
H.323	Message 2		
	Message 3		
Othor	Message 1		And the second s
Protocols	Message 2		
	Message 3		

Figure 6

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	Media Session	Other SDP <u>146</u>				
	Information	Media Session	Client Address 114			
	<u>172</u>	Socket <u>127</u>	Media Port 126			
		Other SIP Headers 142				
		Invite	ID <u>137</u>			
		Header	Invite Socket <u>135</u>	IP Address <u>138</u>		
120{	Invite	<u>134</u>		Port <u>140</u>		
	Session Signaling Headers (SIP) 128	VIA Header <u>132</u>	Type: SIP 2.0 UDP <u>124</u>			
			VIA Socket <u>133</u>	Client Address 114		
				Signaling Port 112		
		Contact Header	ID <u>122</u>			
			Contact	Client Address 114		
		<u>130</u>	Socket <u>124</u>	Signaling Port 136		
L	Sessio		Session ID	n ID <u>131</u>		
		Other UDP/IP Fields 110		ields <u>110</u>		
	UDP/IP	Destination Remote Device IP Ad		vice IP Address <u>118</u>		
	Headers	Socket <u>108</u>	Port <u>116</u>			
	<u>104</u>	IP Client	Client Address 114			
		Socket <u>106</u>	Client Port 112			
		Lower Level Headers				
	2000 2000 10000					

Figure 8a

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ĺ	Translated Media Session Information 170	Other SDP <u>146</u>			
		Translated Media Session	Gateway IP Address 156		
		Socket 162	Translated Media Port 164		
		Other SIP Fields <u>168</u>			
		Invite Header <u>134</u>	ID		
60			Address 138		
	Translated		Port <u>140</u>		
	Invite Session Signaling Headers (SIP) 144	Translated VIA Header <u>170</u>	Type: SIP 2.0 UDP		
			Translated VIA	Gateway IP Address <u>156</u>	
				Port <u>158</u>	
		Translated Contact	ID		
			Translated Contact	Gateway IP Address <u>156</u>	
		Header <u>168</u>	Socket 155	Port <u>166</u>	
l		Session ID <u>130</u>			
		Other UDP/IP Fields		Fields	
	Global	Destination	Remote Device IP Address 118		
	UDP/IP Headers <u>152</u>	Socket <u>108</u>	Port <u>116</u>		
		Translated IP Client	Gateway IP Address <u>156</u>		
		Socket 154	Global Port <u>158</u>		
	Lower Level Headers				

Figure 8b

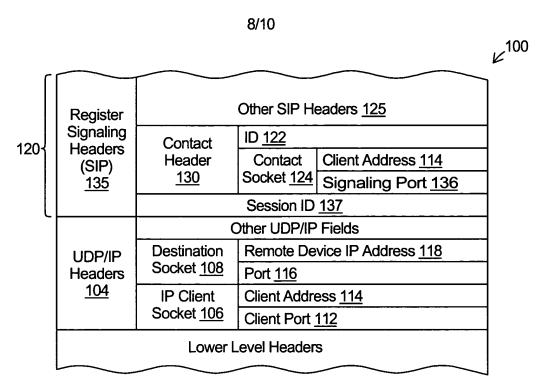


Figure 9a

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	Translated Invite		Other SIP Headers		
160	Session Signaling Headers (SIP)	Translated Contact Header <u>168</u>	Translated Contact Socket 155 Signaling Port 166		
l	<u>144</u>		Session ID <u>137</u>		
	Other UDP/IP Fields				
	Global Destination Remote Device IP Address 118		Remote Device IP Address 118		
	UDP/IP Headers	Socket <u>108</u>	Port <u>116</u>		
	152	Translated IP Client	Gateway IP Address 156		
		Global Port 158			
-	Lower Level Headers				

Figure 9b

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	Media Session	Other SDP <u>146</u>		
	Information	Media	Client Address 114	
120{	<u>172</u>	Socket <u>127</u>	Media Port 126	
	OK	Other SIP Headers 212		
	Response	Contact Header 130	ID <u>122</u>	
	Signaling Headers (SIP) 198		Contact Socket <u>124</u>	Client Address 114
				Signaling Port 112
Į		Session ID		
		Other UDP/IP Fields 110		
	UDP/IP Headers	Destination	Remote Device IP Address <u>118</u>	
		Socket <u>108</u>	Port <u>116</u>	
	<u>104</u>	IP Client	Client Address 114	
		Socket <u>106</u>	Client Port 112	
	Lower Level Headers			

Figure 10a

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	Translated				
Ì	Media Session	Other SDP <u>146</u>			
	Information	Translated Media	Gateway IP Address 156		
160	<u>172</u>	Socket 162	Media Port 164		
	Translated	Other SIP Fields 168			
	OK	Translated Contact Header <u>168</u>	ID		
	Response Headers (SIP) 199		Translated Contact Socket <u>155</u>	Gateway IP Address <u>156</u>	
				Port <u>166</u>	
		Session ID			
_		Other UDP/IP Fields 110			
	Translated UDP/IP Headers 152	Destination	Remote Device IP Address 188		
		Socket <u>108</u>	Port <u>116</u>		
		Translated IP Client Socket <u>154</u>	Gateway IP Address 156		
			Global Port 158		
	Lower Level Headers				

Figure 10b